2009

SR-7C10A 7 Channel Time Series Power Controller User Manual Ver 1.0.0

S2

Simple and Stable

简单 • 稳定

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Notes,

- can not work in the environments of high humidity and temperature environments.
- please do not always plug port, avoid ruining the port.
- cannot exceed the module's rated power.
- must access voltage and current parameters of the device.
-

Features,

Provide seven channels, the maximum single channel current is 10A, the total input current capacity is 20A

1. The panel can display the status of 7 channels switch.
2. Through a key on the panel, you can start off the timing channel to achieve the timing function. By the way of hardware or software, you can lock and unlock panel button.
3. Provide RS232 input port ,it can connect the computer and the control system.
4. Provide IO input port ,it can connect external buttons or control system, and fully open and closed the timing of the channel switch .
5. RS 232 can control many devices.
6. Have the function of interlocking the port, can be used to control electric curtain, lifting frame, and electric curtains.
7. 19inch 1U standard cabinet.

Features,

Control Supply

100-240V 50/60Hz

Output Number

7 load

Supply Terminals

2 x power socket（10A/250V AC）

Output Terminals

7 x The standard American power socket （10A / 250V AC）

Outputs

Single channel maximum output load 10A

The machine equipment maximum output load 20A

Switching Device

Control Inputs

1 x RS232 serial

1 x 2 road IO control interface (TTL level)

User Controls

1 x Timing 6with switch

7 x Channel status leds indicator

Operating Environment

Temperature range －5℃ to +40℃

Humidity range 0 to 90% RH

Dimensions

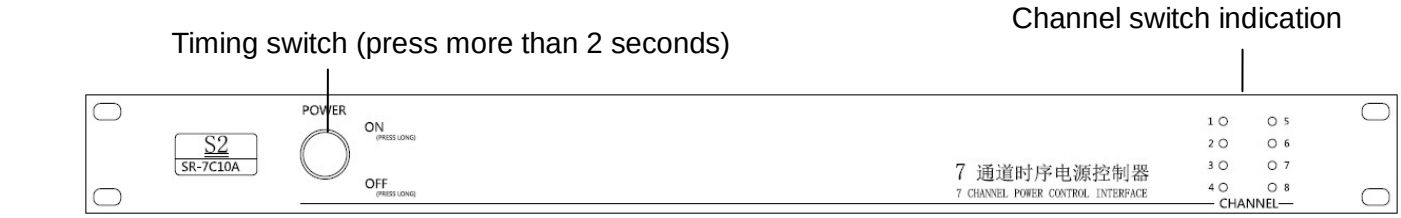
H 45mm x W 483mm x D 150mm

Weight

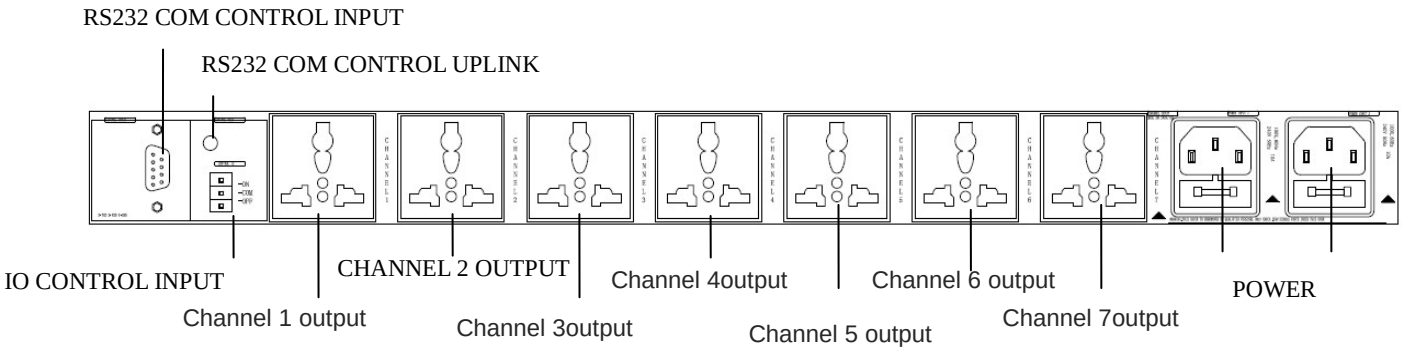
Net weight 2kg

Product Description: Structure and link

SR-7-channel device can control the front and back panel of timing controller and interface instructions.

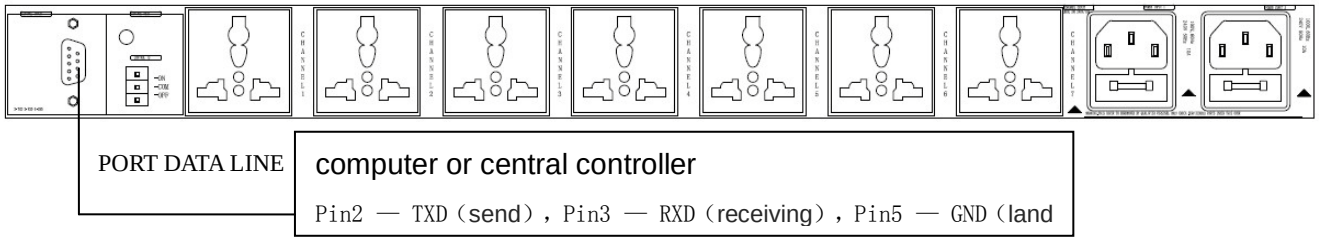


Front pannel

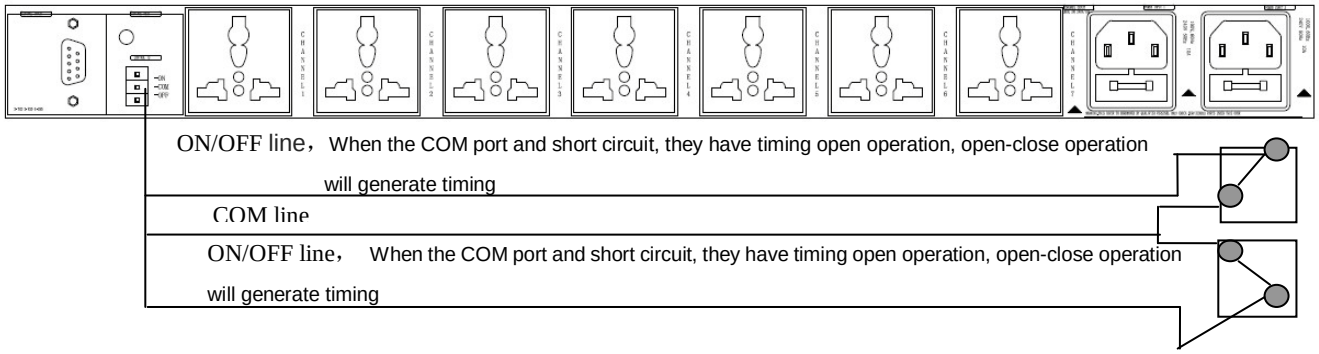


After face plate

Product Description: Structure and link



RS232 INTERFACING CONTROLLING CHART


ON/OFF line，When the COM port and short circuit, they have timing open operation, open-close operation will generate timing
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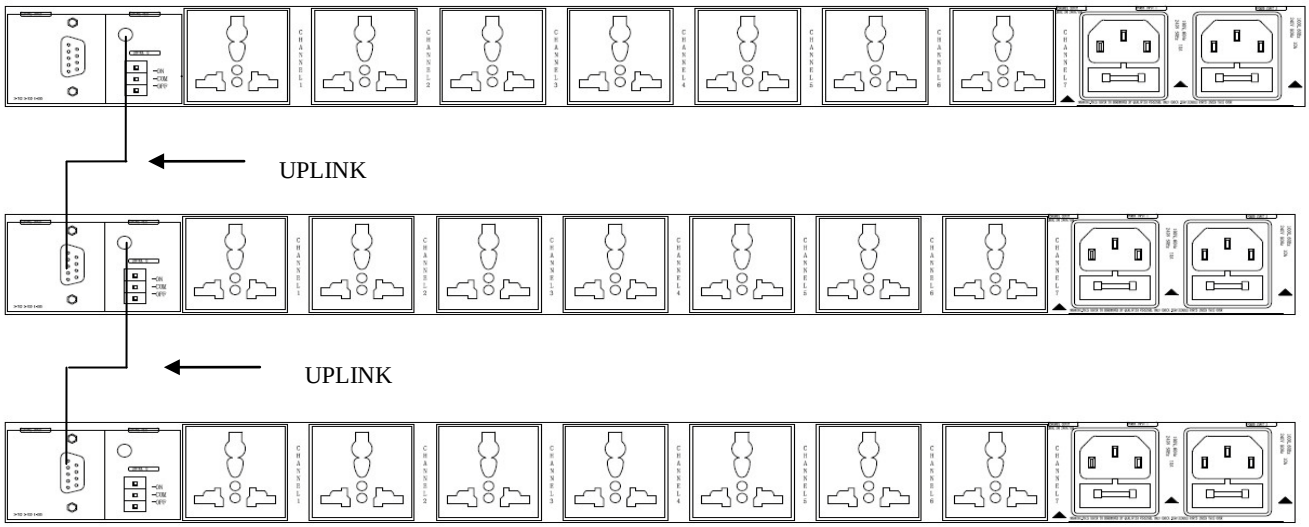
ON/OFF line， When the COM port and short circuit, they have timing open operation, open-close operation will generate timing

IO INTERFACING CONTROLLING CHART

Product Description: Structure and link



IO UPLINKING CONTROLLING CHART

Communication protocol: control command

4、 Communication protocol

a、 Communication protocol

Baud Rate, 19200

Data, 8 BITS

odd-even: no

Stop bits: 1 BIT control command

b、 Control instruction

1, write device address, *DADDW$n_1n_2n_3$#(Example: * DADDW001 # Set the device address is 001.)

2, read device address, *DADDR#

3, open channel, *$n_1n_2n_3$O$c_1c_2c_3c_4c_5c_6c_7$#(Example: * 0010135 # open the 135 channels of 001# device)

4,close channel, *$n_1n_2n_3$C$c_1c_2c_3c_4c_5c_6c_7$#(Example, *002C246# close the 246 channels of 002# device)

5,opening timing function 1, *$n^1n^2n^3$TLRO#(Example: * 001TLRO # the device of address 001 # open from 1 to 7 channel, 1 second intervals . This command will close all input channels, then start again.

6, opening timing function 2, *$n_1n_2n_3$TRLO#(Example: * 001TRLO # the device of address 001 # open from 7 to 1 channel, 1 second intervals . This command will close all input channels, then start again.)

7,closing timing function 1, *$n_1n_2n_3$TLRC#(Example: * 001TLRC # the device of address 001 # close from 1 to 7 channel, 1 second intervals .)

8,closing timing function 2, *$n_1n_2n_3$TRLC#(Example: * 001TRLC # the device of address 001 # close from 7 to 1 channel, 1 second intervals .)

9,Channel interlocking function: * n1n2n3Lc1c2c3c4 # (Example 1: * 001L1457 # 001 # device open 1457 channels, and close 2368channels. Example 2: * 002L3 # 001 # 3 device open 3-channel, and close 4-channel)

10, Query the current state, *$n_1n_2n_3$Q#

11,Buzzer control

11.1 close the buzzer , *$n_1n_2n_3$SC#(Example, *001SC# close the buzzer of 001# device.

11.2 open the buzzer , *$n_1n_2n_3$SO# (Example, *$n_1n_2n_3$SO# the open buzzer of 001# device.

12,returning code,

Format n1n2n3:0000-CCCC （001：0C0C-00CC the status of 001 for 1,3,5,6 channel is open, for 2,4,7 is closed.）

notes, n1n2n3 (address code) =001~255,00A~ZZZ

c1 =1~7, c2 =1~7, c3 =1~7, c4 =1~7, c5 =1~7, c6 =1~7, c7 =1~7

Interlocking channel ，1-2,3-4,5-6.

Control code is case-sensitive

Appendix 1

Application - Use the channel 1 and 2 to control the movements of electric screen.